

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. – 48. (Previously Cancelled)

49. (Currently Amended) An array comprising two or more nucleic acid molecules immobilized on a substrate, wherein at least two of the nucleic acid molecules have a nucleic acid sequence consisting of:

(a) ~~the nucleic acid sequence as shown in SEQ ID NOS:12, 15, 21, 22, 23, 24, 25, 26, 35 or 44;~~

~~(b) a nucleic acid sequence prepared using amplification and primer pairs, wherein the primer pairs are selected from the following pairs of nucleic acid sequences:~~

~~SEQ ID NO:70 and SEQ ID NO:71;~~

~~SEQ ID NO:76 and SEQ ID NO:77;~~

~~SEQ ID NO:88 and SEQ ID NO:89;~~

~~SEQ ID NO:90 and SEQ ID NO:91;~~

~~SEQ ID NO:92 and SEQ ID NO:93;~~

~~SEQ ID NO:94 and SEQ ID NO:95;~~

~~SEQ ID NO:96 and SEQ ID NO:97;~~

~~SEQ ID NO:98 and SEQ ID NO:99;~~

~~SEQ ID NO:116 and SEQ ID NO:117; or~~

~~SEQ ID NO:134 and SEQ ID NO:135;~~

~~(c) the nucleic acid sequence of (a) or (b), wherein T can be U; or~~

~~(d) a fragment of (a) to (c) that specifically hybridizes to one ABC transporter gene.~~

50. (Previously Amended) The array according to claim 49, wherein the array is a microarray.

51 – 72. (Previously Cancelled)

73-77. (Cancelled Herein).

78. (Currently Amended) An array for screening a sample for the presence of nucleic acid molecules that encode human ABC transporters, the array comprising a substrate having immobilized in distinct spots thereon at least 10 nucleic acid probes, wherein 10 of the probes consist of:

- 1) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter B1, wherein the nucleic acid sequence of the probe is ~~selected from the group consisting of:~~
 - ~~(a) a nucleic acid sequence consisting of SEQ ID NO. 12;~~
 - ~~(b) a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 70 and SEQ ID NO. 71;~~
 - ~~(c) a nucleic acid sequence of a) or b) wherein T can be U, and~~
 - ~~(d) a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter B1;~~
- 2) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter B4, wherein the nucleic acid sequence of the probe is ~~selected from the group consisting of:~~
 - ~~(a) a nucleic acid sequence consisting of SEQ ID NO. 15;~~
 - ~~(b) a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 76 and SEQ ID NO. 77;~~
 - ~~(c) a nucleic acid sequence of a) or b) wherein T can be U, and~~
 - ~~(d) a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter B4;~~
- 3) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter B11, wherein the nucleic acid sequence of the probe is ~~selected from the group consisting of:~~
 - ~~(a) a nucleic acid sequence consisting of SEQ ID NO. 21;~~
 - ~~(b) a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 88 and SEQ ID NO. 89;~~
 - ~~(c) a nucleic acid sequence of a) or b) wherein T can be U, and~~
 - ~~(d) a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter B11;~~

- 4) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C1, wherein the nucleic acid sequence of the probe is selected from the group consisting of:-
- (a) a nucleic acid sequence consisting of SEQ ID NO. 22,-
 - (b) ~~a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 90 and SEQ ID NO. 91,-~~
 - (c) ~~a nucleic acid sequence of a) or b) wherein T can be U, and~~
 - (d) ~~a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C1;~~
- 5) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C2, wherein the nucleic acid sequence of the probe is selected from the group consisting of:-
- (a) a nucleic acid sequence consisting of SEQ ID NO. 23,-
 - (b) ~~a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 92 and SEQ ID NO. 93,-~~
 - (c) ~~a nucleic acid sequence of a) or b) wherein T can be U, and~~
 - (d) ~~a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C2;~~
- 6) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C3, wherein the nucleic acid sequence of the probe is selected from the group consisting of:-
- (a) a nucleic acid sequence consisting of SEQ ID NO. 24,-
 - (b) ~~a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 94 and SEQ ID NO. 95,-~~
 - (c) ~~a nucleic acid sequence of a) or b) wherein T can be U, and~~
 - (d) ~~a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human transporter C3;~~
- 7) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C4, wherein the nucleic acid sequence of the probe is selected from the group consisting of:-
- (a) a nucleic acid sequence consisting of SEQ ID NO. 25,-
 - (b) ~~a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 96 and SEQ ID NO. 97,-~~
 - (c) ~~a nucleic acid sequence of a) or b) wherein T can be U, and~~

- ~~(d) a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C4;~~
- 8) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C5, wherein the nucleotide sequence of the probe is selected from the group consisting of:-
- ~~(a) a nucleic acid sequence consisting of SEQ ID NO. 26;~~
~~(b) a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 98 and SEQ ID NO. 99;~~
~~(c) a nucleic acid sequence of a) or b) wherein T can be U; and~~
~~(d) a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C5;~~
- 9) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter D1, wherein the nucleic acid sequence of the probe is selected from the group consisting of:-
- ~~(a) a nucleic acid sequence consisting of SEQ ID NO. 35;~~
~~(b) a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 116 and SEQ ID NO. 117;~~
~~(c) a nucleic acid sequence of a) or b) wherein T can be U; and~~
~~(d) a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter D1; and~~
- 10) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter G2, wherein the nucleic acid sequence of the probe is selected from the group consisting of:-
- ~~(a) a nucleic acid sequence consisting of SEQ ID NO. 44;~~
~~(b) a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 134 and SEQ ID NO. 135;~~
~~(c) a nucleic acid sequence of a) or b) wherein T can be U; and~~
~~(d) a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter G2.~~